

## Claims

1. Method for setting up a connection between a first subscriber (A) and a second subscriber (B) using an Interactive Voice Response System (IVR), which is assigned to a packet-oriented communication network (IN<sub>IVR</sub>),  
5 with the following steps:
  - Setting up of the first connection (TDM, RTP/RTCP<sub>A/IVR</sub>) between the first subscriber and the IVR system,
  - 10 - Setting up of a second connection (RTP/RTCP<sub>IVR/B</sub>) between the IVR System and the second subscriber,
  - Informing the second subscriber about the setting up of the second connection with the aid of ringing,
  - Notification of the ringing to the IVR system,
  - 15 - Notification of the ringing to the first subscriber by transmitting a first signaling message from the IVR system,
  - Informing the first subscriber about the ringing at the second subscriber with the aid of ringback,
  - Acceptance of the second connection by the second subscriber,
  - 20 - Notification of acceptance to the first subscriber by transmitting a second signaling message,
  - Termination of ringback.
- 25 2. Method according to claim 1,  
in which the second subscriber is identified taking into account data of the first subscriber, in particular the latter's call number is notified by the first subscriber to the IVR system.
- 30 3. Method according to one of the preceding claims,  
with which the two connections of the IVR system are converted to a direct connection (TDM, RTP/RTCP<sub>A/B</sub>) between the two subscribers without the use of the IVR system at the latest on  
35 acceptance of the second connection in the packet-oriented network.

4. Method according to one of the preceding claims,  
in which, in the event that a SIP protocol according to one of  
the IETF standards RFC2543, RFC2543bis0x, RFC3261 or RFC3372  
is used in the packet-oriented network, the first signaling  
5 message is configured as re-INVITE with an "alert info" and  
the second signaling message is configured as re-INVITE with-  
out an "alert info".

5. Method according to one of the preceding claims,  
10 with which, in the event that the first subscriber is assigned  
to a line-oriented network, a ringback tone is transmitted in-  
stead of or as a result of the first signaling message and  
transmission of the ringback tone is adjusted instead of or as  
a result of the second signaling message.

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6. Method according to one of the preceding claims,  
in which the notified ringing is displayed to the first sub-  
scriber with the aid of an information window.

20 7. Arrangement - in particular a packet-oriented, integrated  
multimedia network (IN) or hybrid network (IN, PSTN) - com-  
prising means, which are set up to implement all the steps of  
a method according to one of the preceding method claims.

25 8. Device, comprising  
- Means, which are set up to implement those steps of a method  
according to one of the preceding method claims, which are ef-  
fected by the device,  
- Means, which are set up to implement interactions of the de-  
30 vice as set out according to the method with further devices,  
by which the remaining steps of the method are implemented.

9. Device according to the preceding claim,  
which is configured as a computer program product (P) and the  
35 means of which are in the form of program codes, which are  
executed by at least one processor to implement the method.